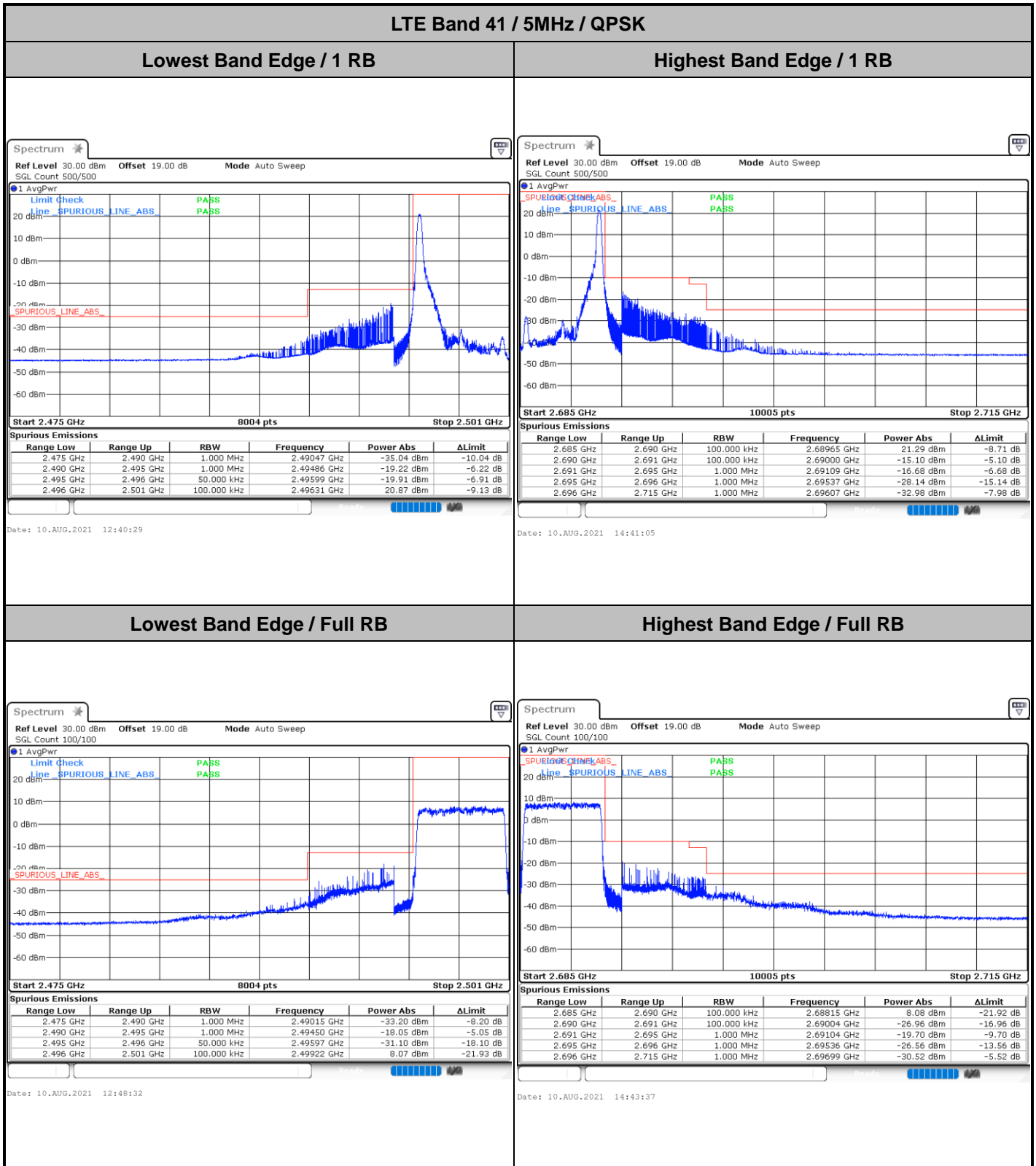




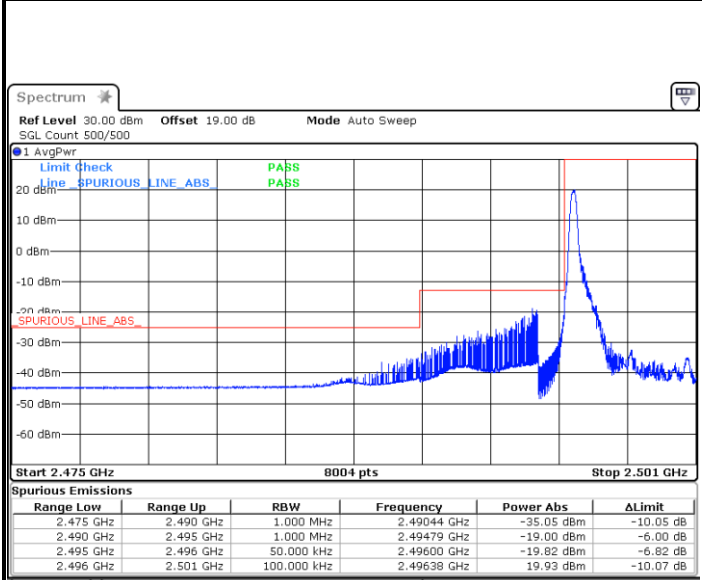
Conducted Band Edge





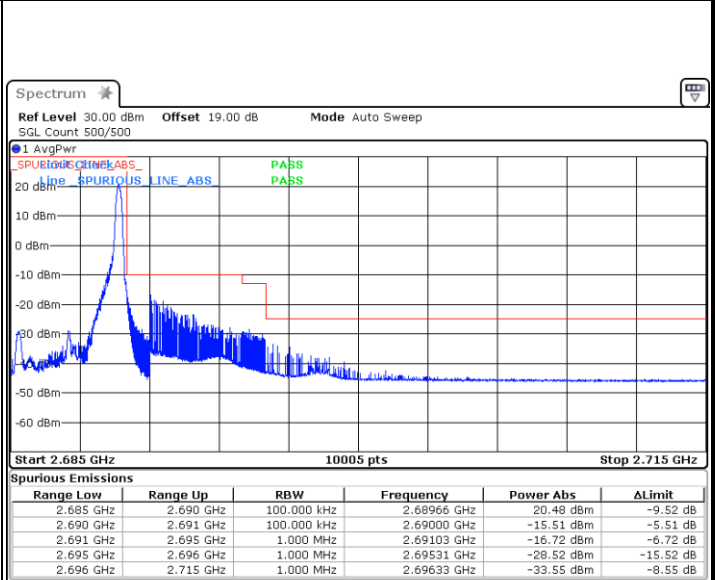
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



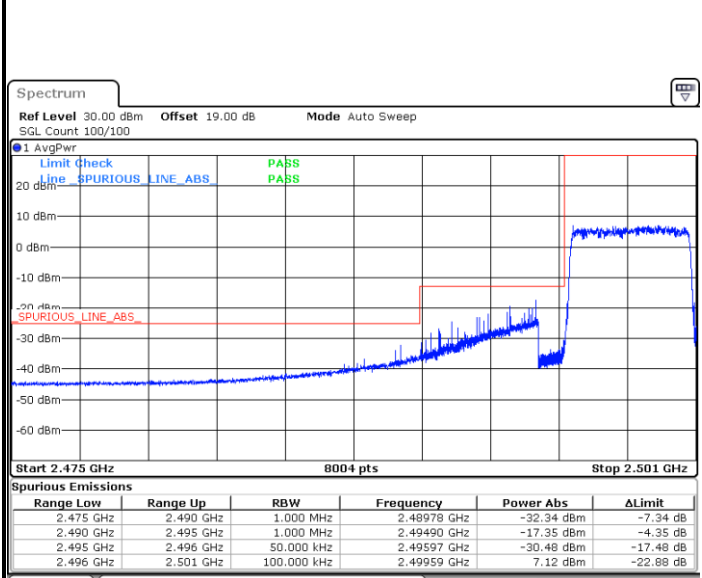
Date: 10.AUG.2021 12:41:50

Highest Band Edge / 1 RB



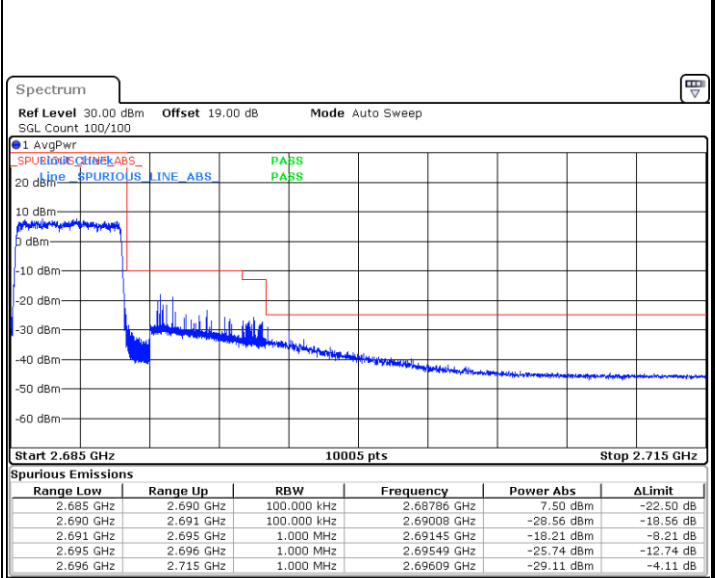
Date: 10.AUG.2021 14:42:05

Lowest Band Edge / Full RB



Date: 10.AUG.2021 12:49:05

Highest Band Edge / Full RB

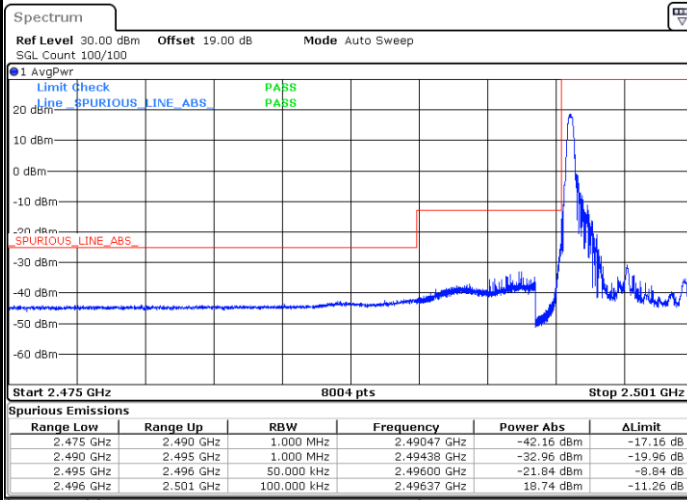


Date: 10.AUG.2021 14:44:37



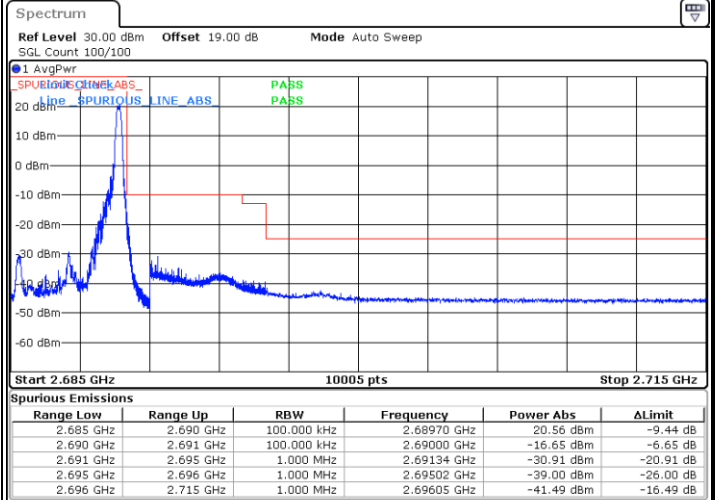
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



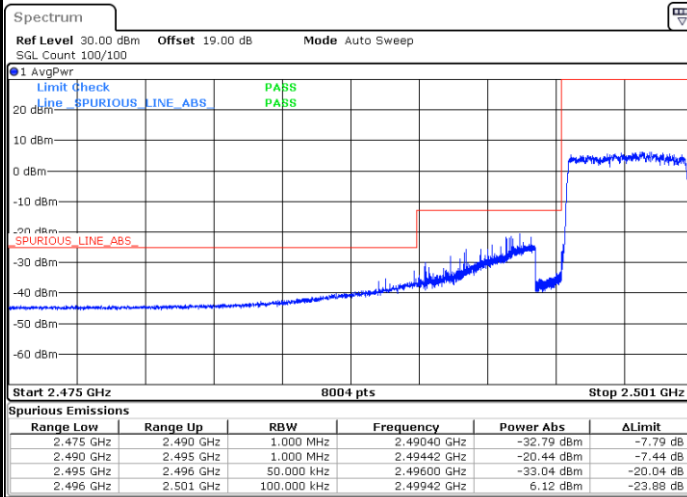
Date: 10.AUG.2021 12:42:18

Highest Band Edge / 1 RB



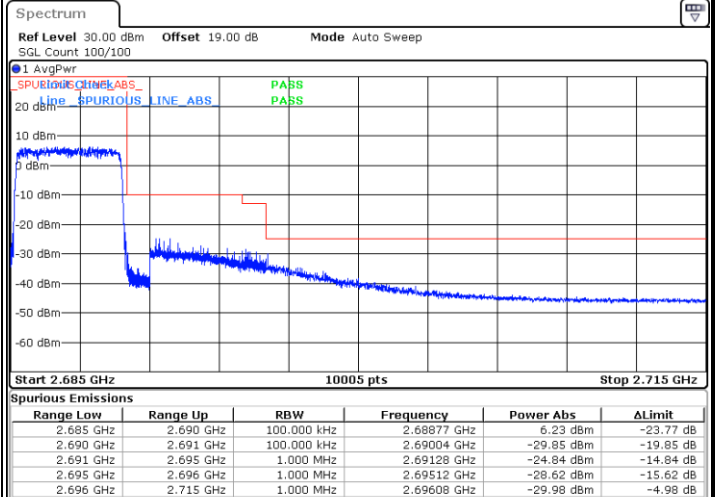
Date: 10.AUG.2021 14:42:41

Lowest Band Edge / Full RB



Date: 10.AUG.2021 12:49:39

Highest Band Edge / Full RB

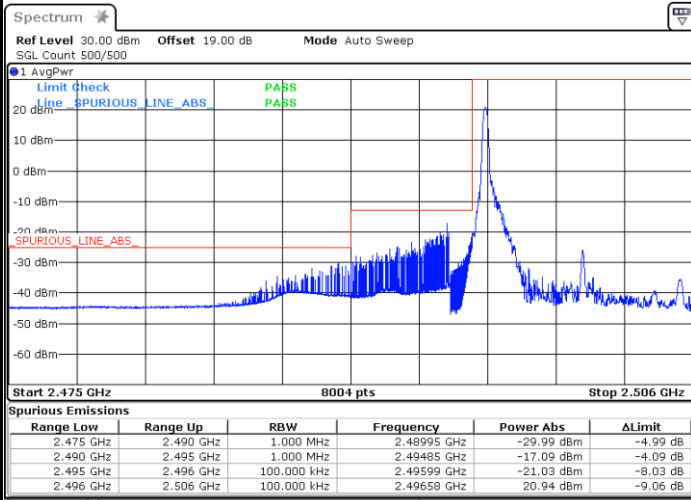


Date: 10.AUG.2021 14:45:03



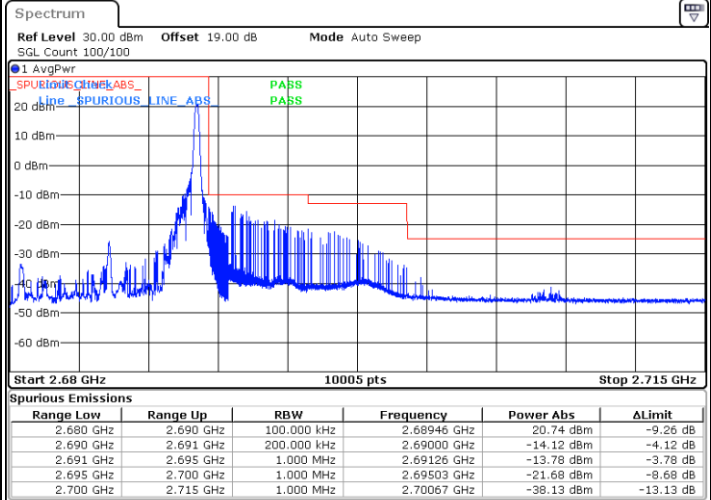
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



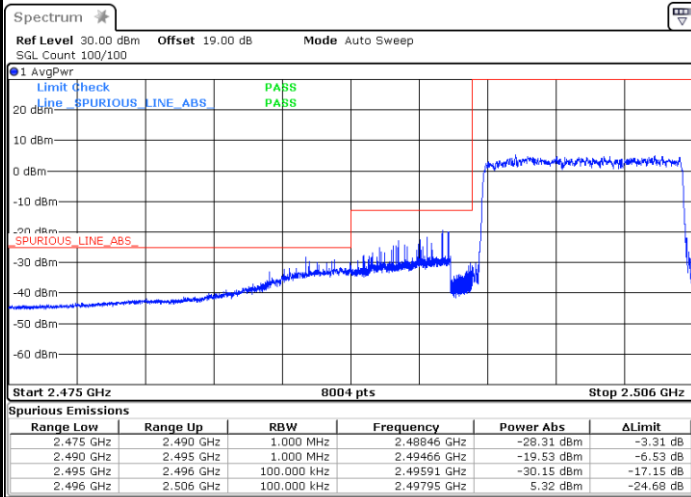
Date: 10.AUG.2021 14:46:52

Highest Band Edge / 1 RB



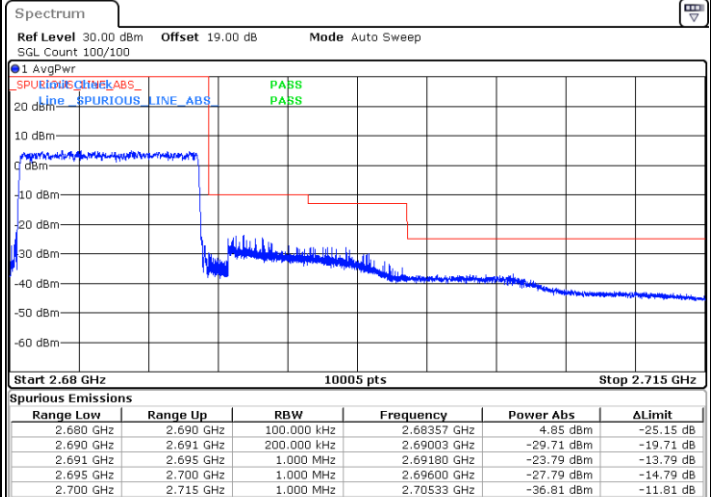
Date: 10.AUG.2021 15:09:20

Lowest Band Edge / Full RB



Date: 10.AUG.2021 14:55:46

Highest Band Edge / Full RB

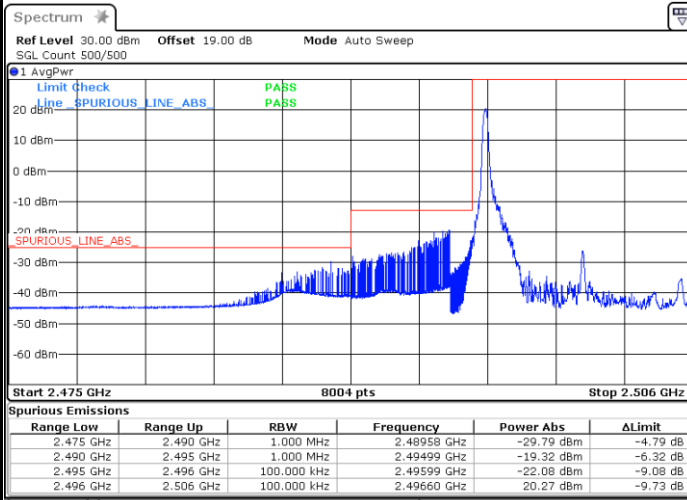


Date: 10.AUG.2021 15:12:25



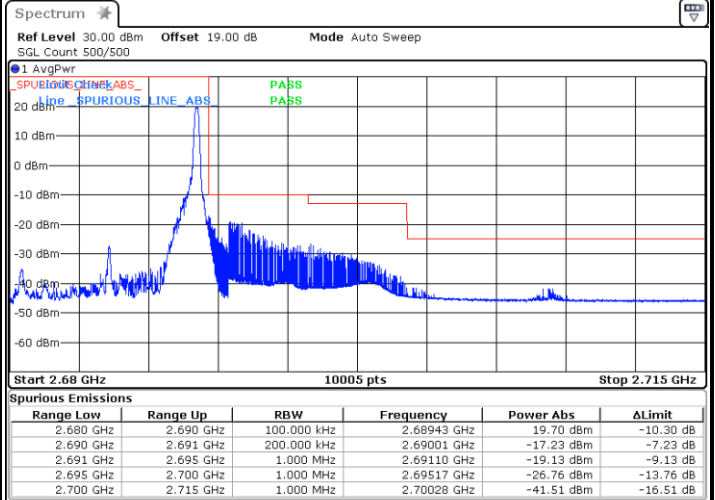
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



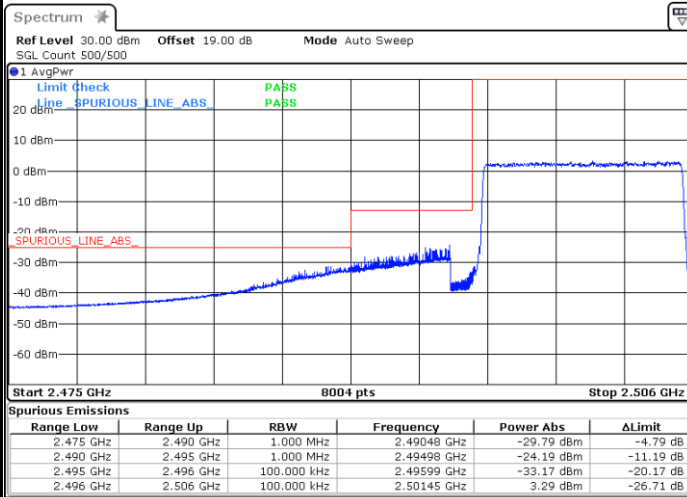
Date: 10.AUG.2021 14:50:32

Highest Band Edge / 1 RB



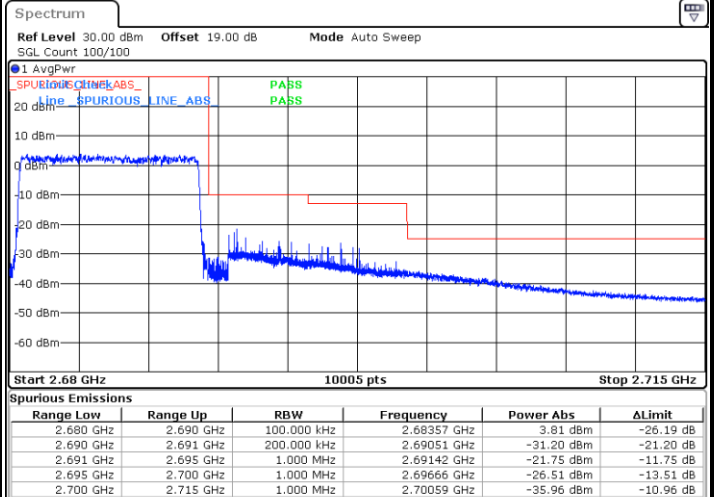
Date: 10.AUG.2021 15:10:46

Lowest Band Edge / Full RB



Date: 10.AUG.2021 18:21:45

Highest Band Edge / Full RB

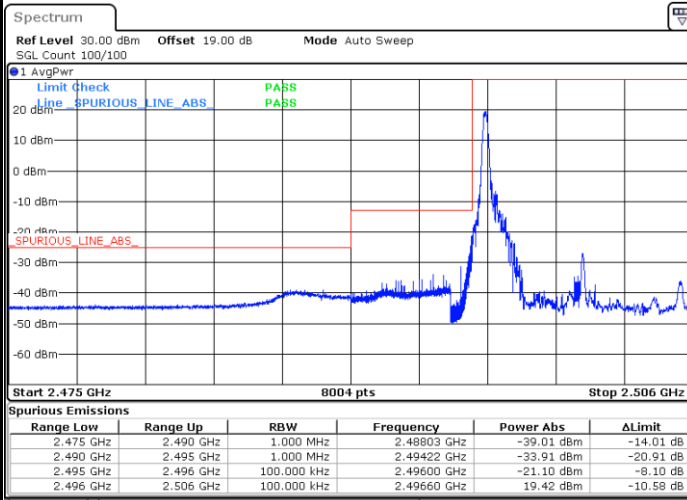


Date: 10.AUG.2021 15:12:54



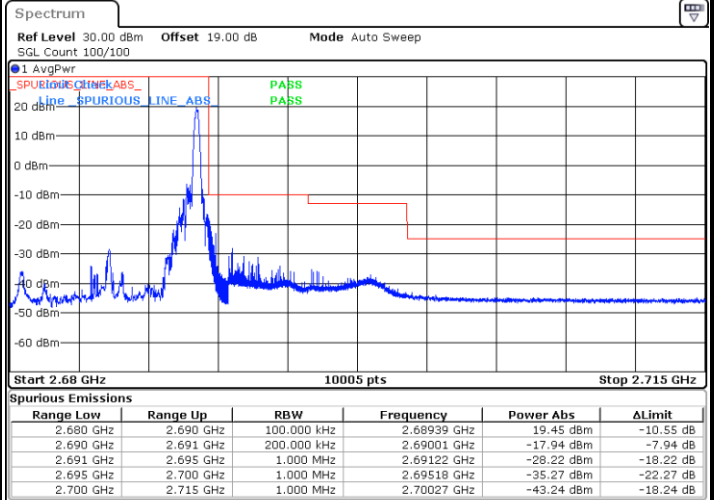
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



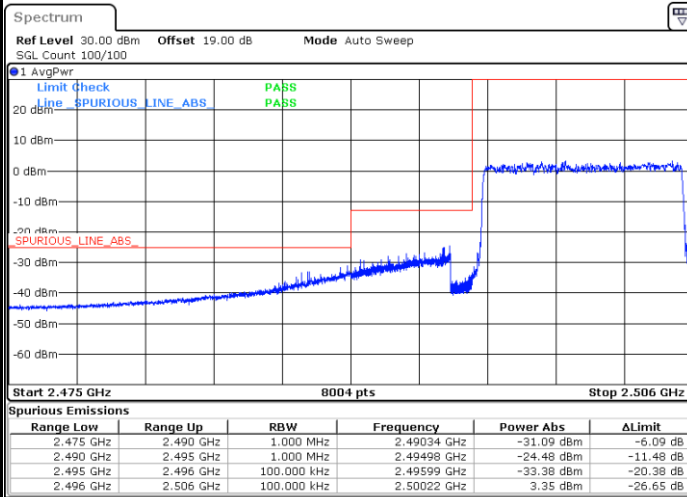
Date: 10.AUG.2021 14:52:35

Highest Band Edge / 1 RB



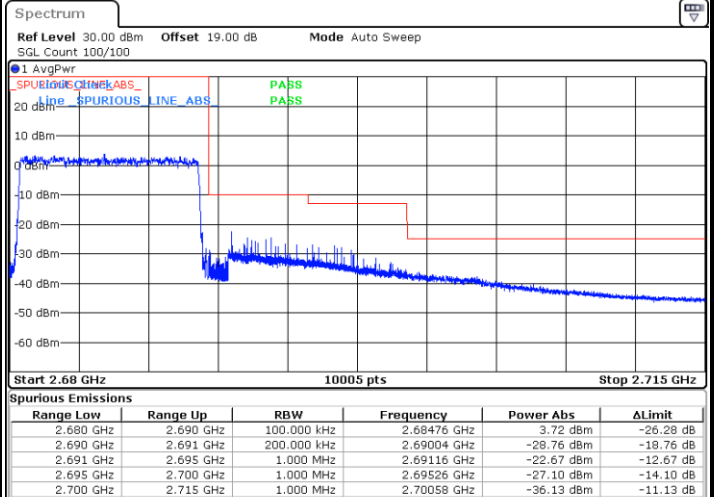
Date: 10.AUG.2021 15:11:24

Lowest Band Edge / Full RB



Date: 10.AUG.2021 14:56:42

Highest Band Edge / Full RB

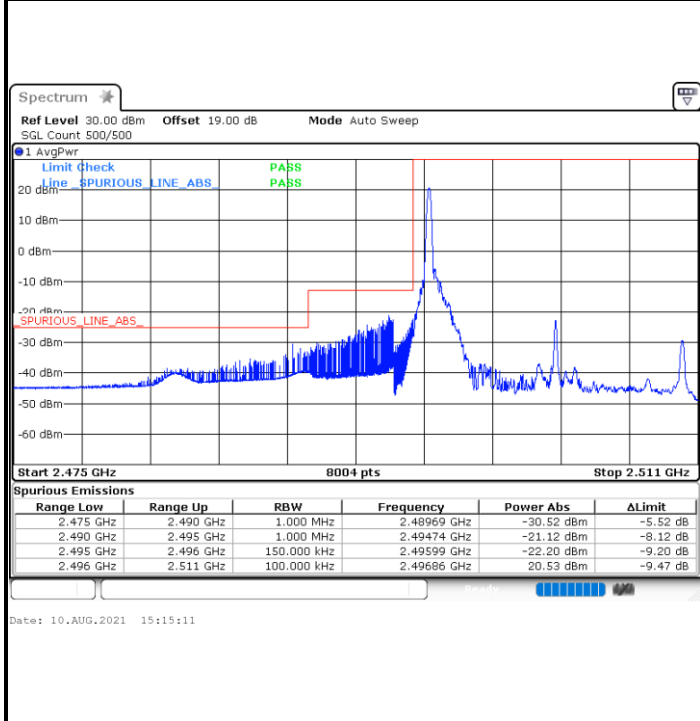


Date: 10.AUG.2021 15:13:28

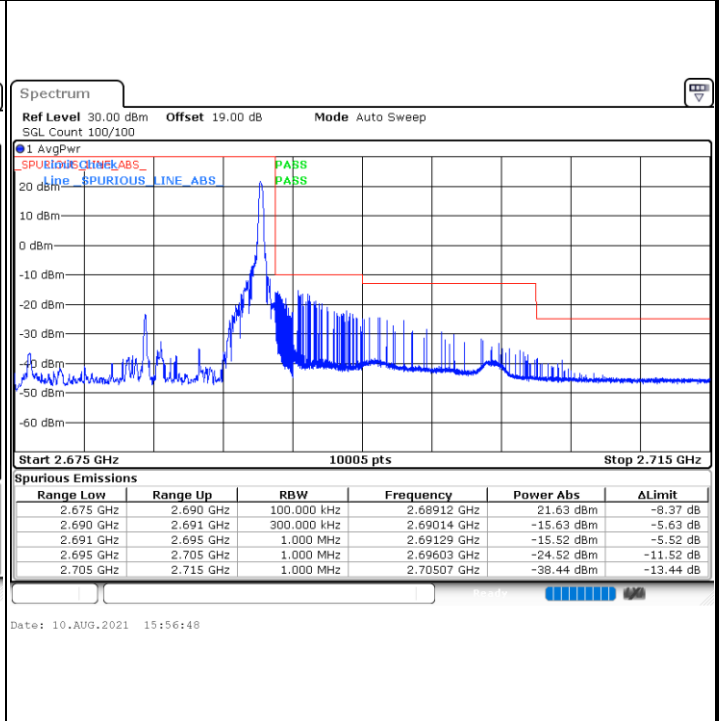


LTE Band 41 / 15MHz / QPSK

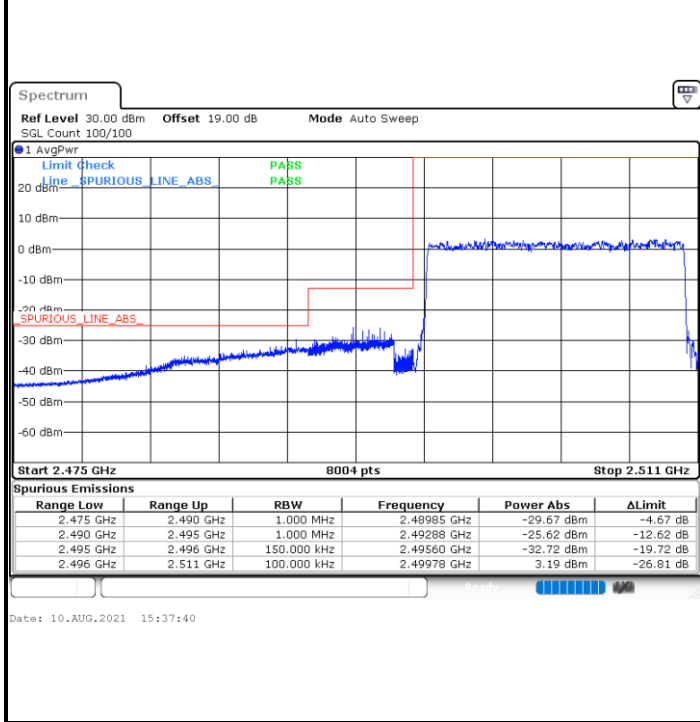
Lowest Band Edge / 1 RB



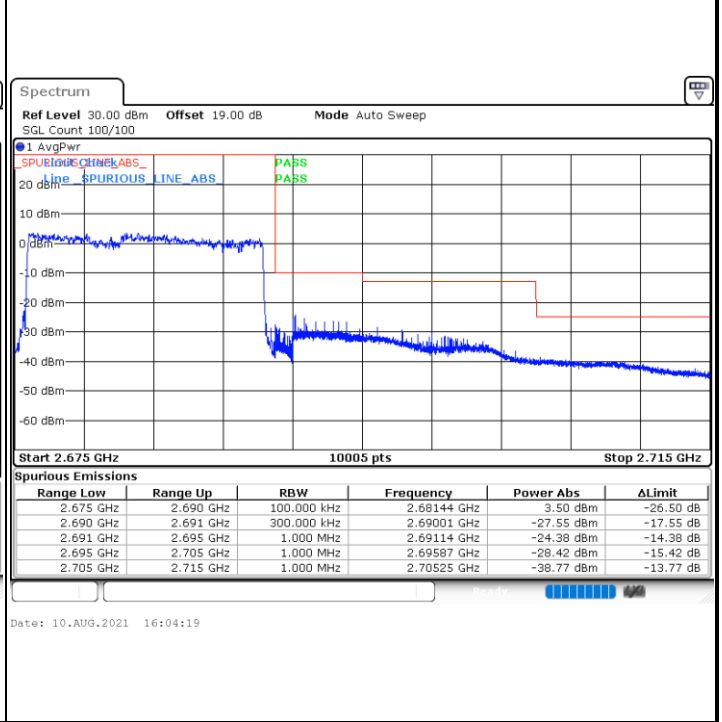
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



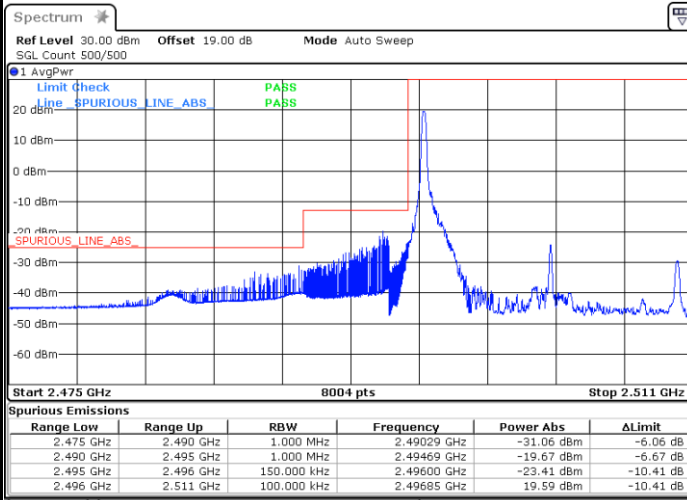
Highest Band Edge / Full RB





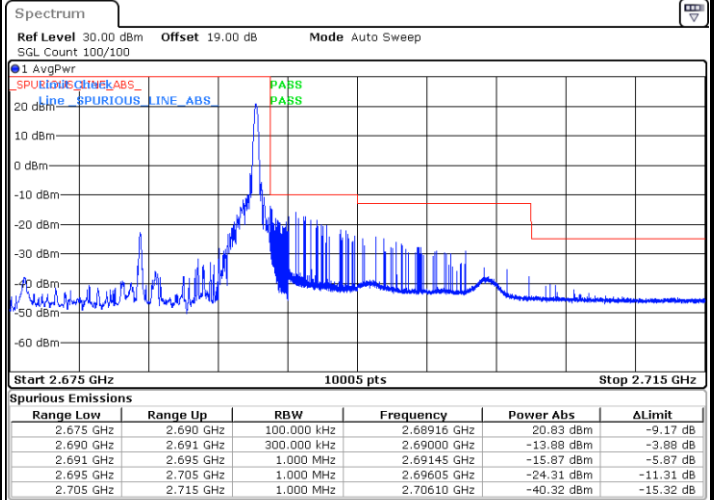
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



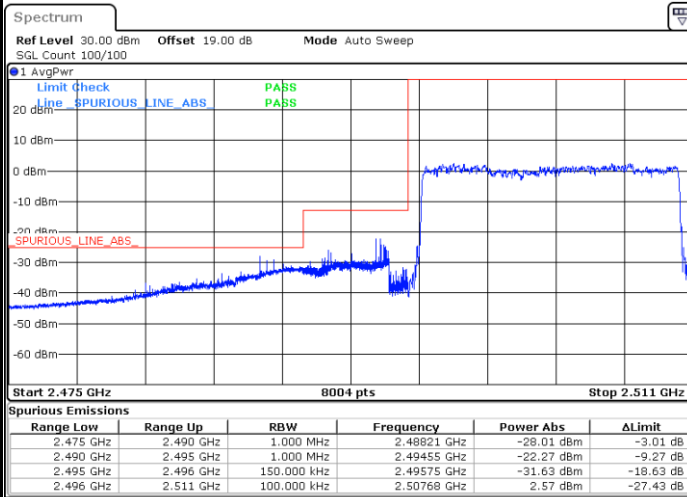
Date: 10.AUG.2021 15:17:35

Highest Band Edge / 1 RB



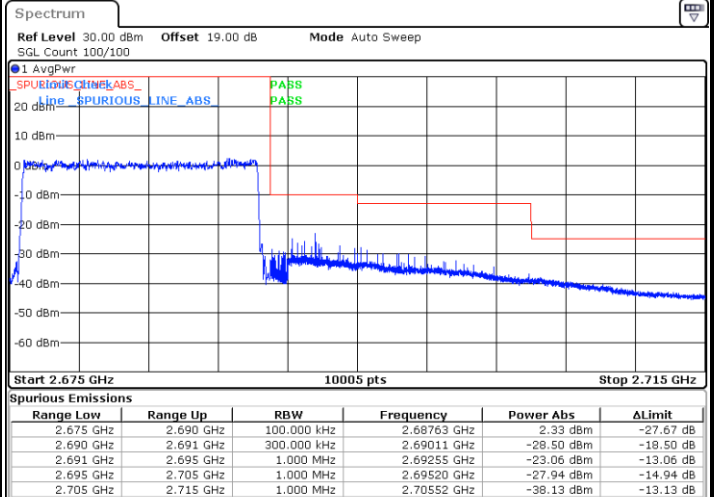
Date: 10.AUG.2021 15:57:34

Lowest Band Edge / Full RB



Date: 10.AUG.2021 15:39:13

Highest Band Edge / Full RB

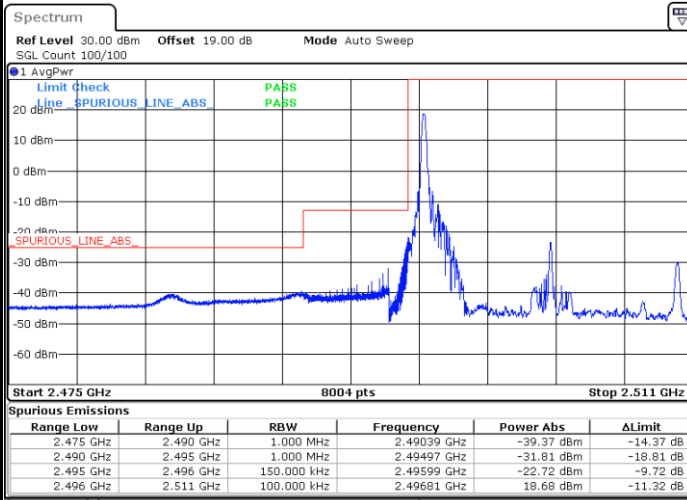


Date: 10.AUG.2021 16:00:40



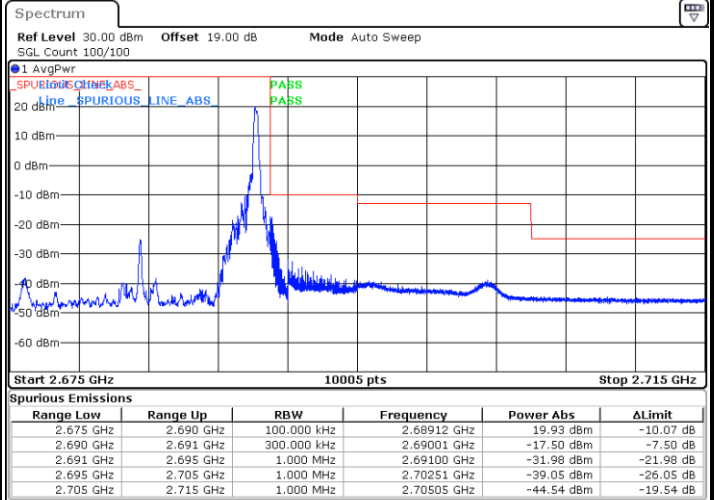
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



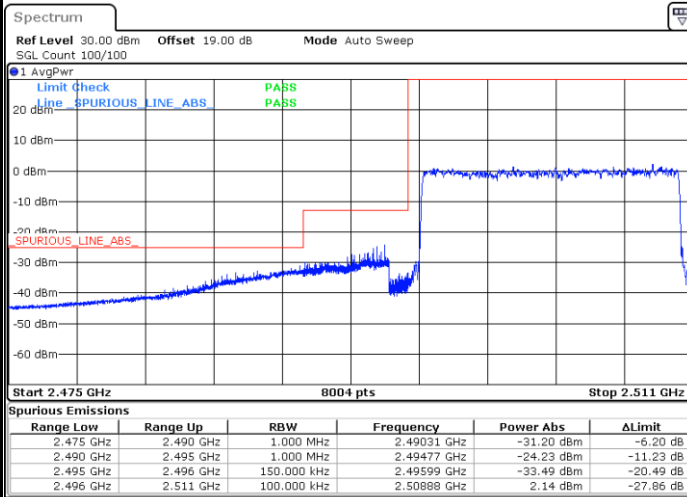
Date: 10.AUG.2021 15:19:57

Highest Band Edge / 1 RB



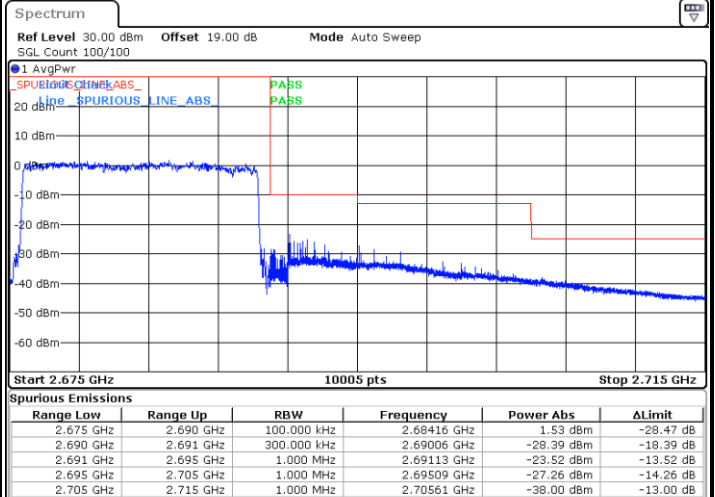
Date: 10.AUG.2021 15:58:05

Lowest Band Edge / Full RB



Date: 10.AUG.2021 15:40:21

Highest Band Edge / Full RB

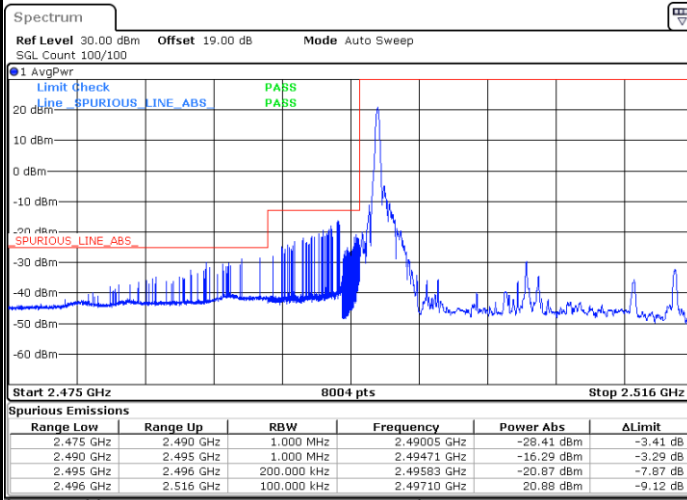


Date: 10.AUG.2021 16:01:34



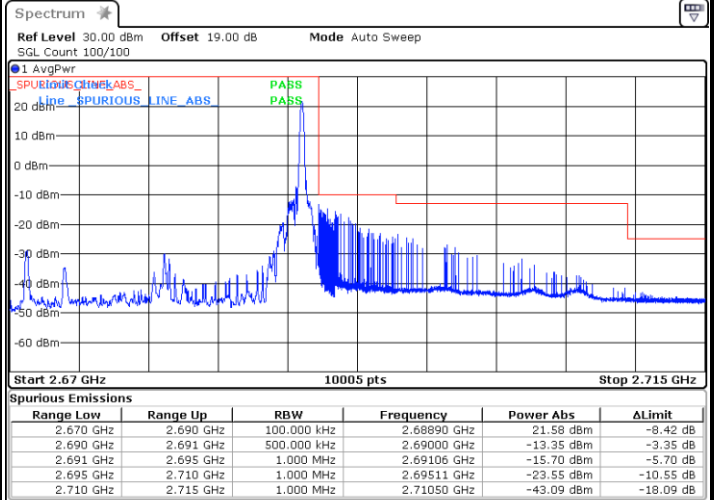
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



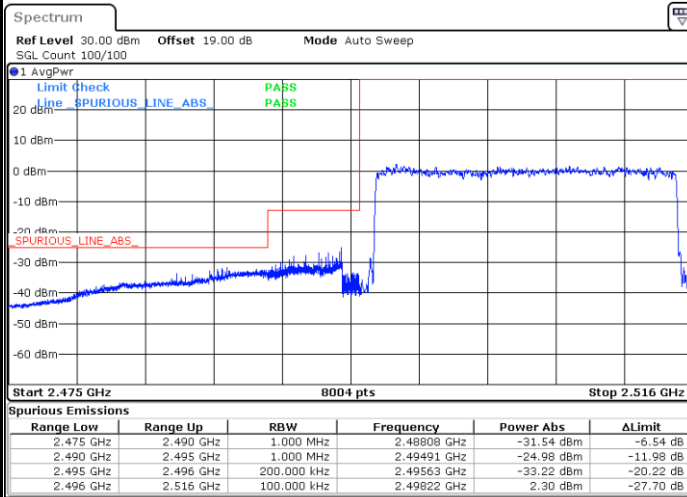
Date: 10.AUG.2021 16:08:22

Highest Band Edge / 1 RB



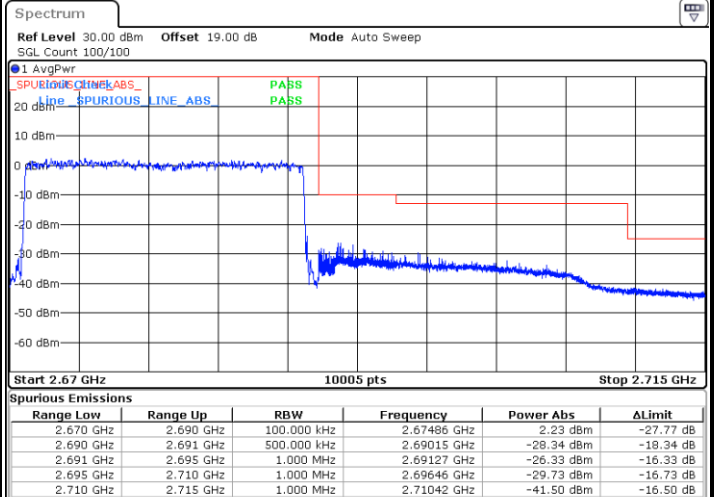
Date: 10.AUG.2021 16:28:13

Lowest Band Edge / Full RB



Date: 10.AUG.2021 16:15:28

Highest Band Edge / Full RB

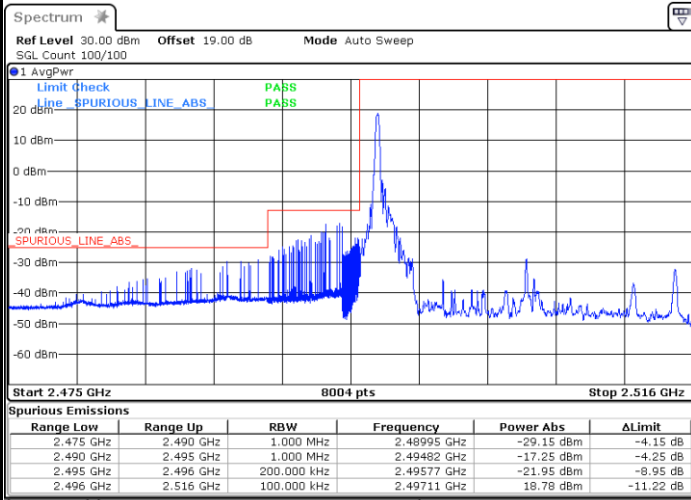


Date: 10.AUG.2021 16:30:00



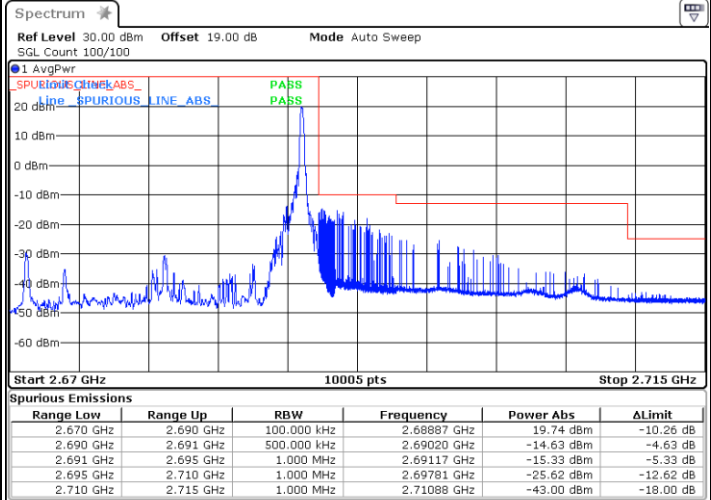
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



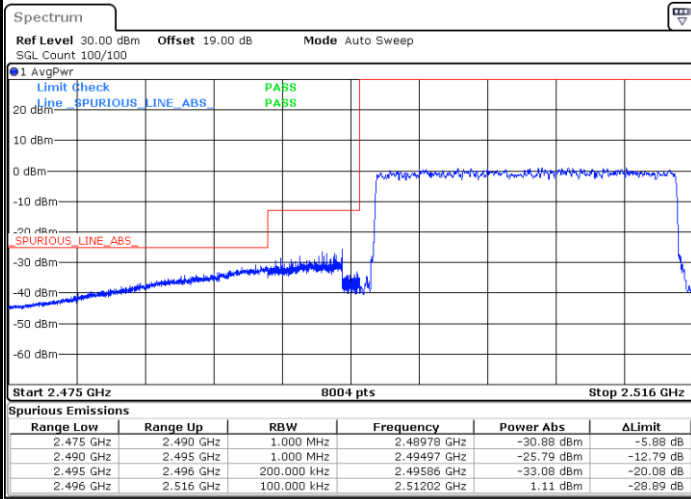
Date: 10.AUG.2021 16:10:29

Highest Band Edge / 1 RB



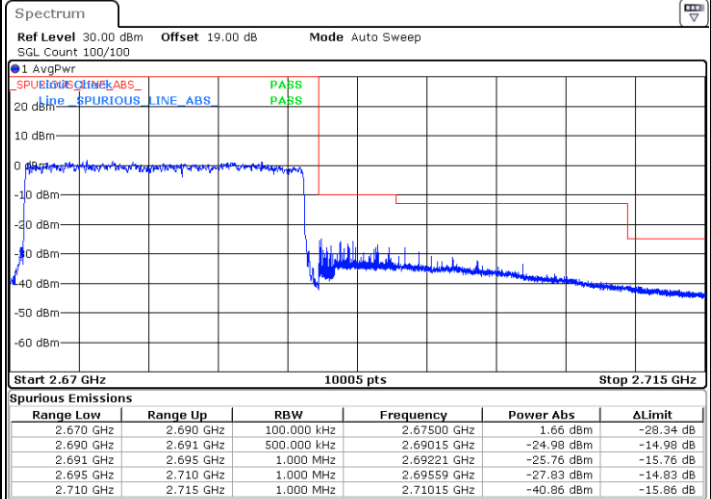
Date: 10.AUG.2021 16:29:00

Lowest Band Edge / Full RB



Date: 10.AUG.2021 16:16:53

Highest Band Edge / Full RB

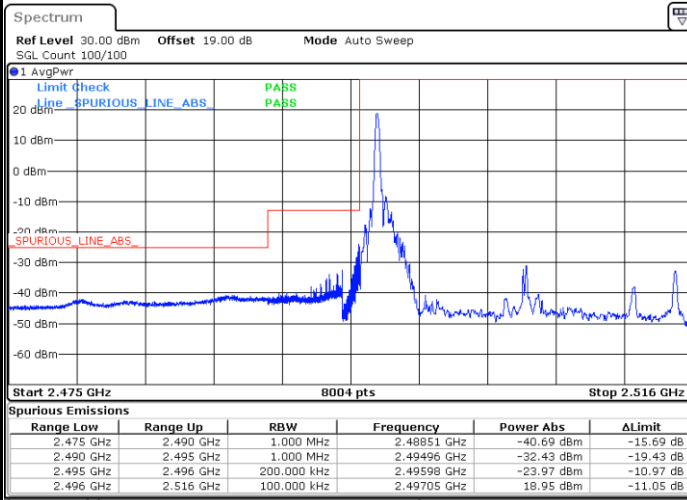


Date: 10.AUG.2021 16:30:26



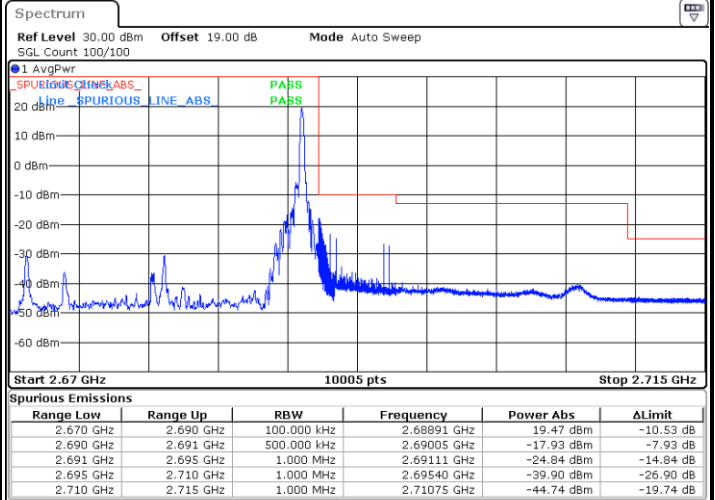
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



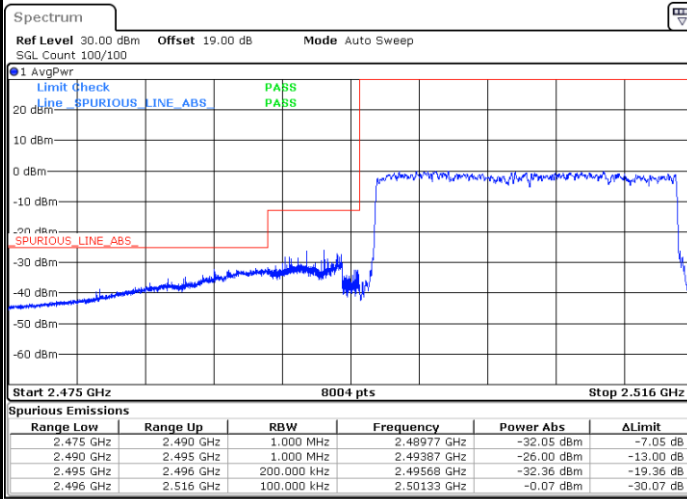
Date: 10.AUG.2021 16:12:54

Highest Band Edge / 1 RB



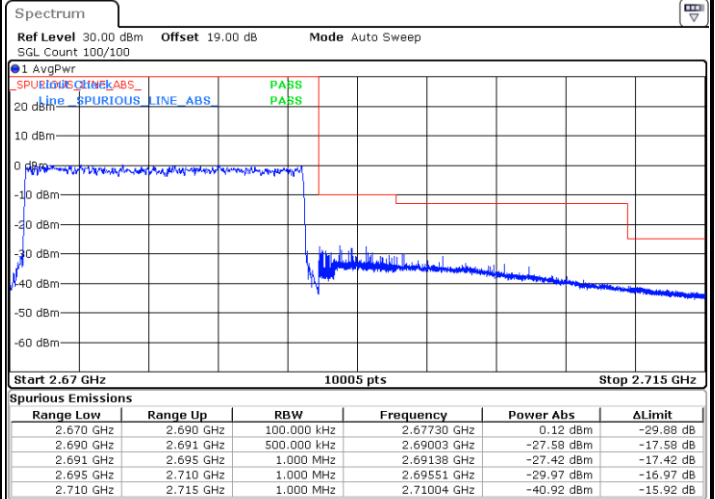
Date: 10.AUG.2021 16:29:39

Lowest Band Edge / Full RB



Date: 10.AUG.2021 16:17:48

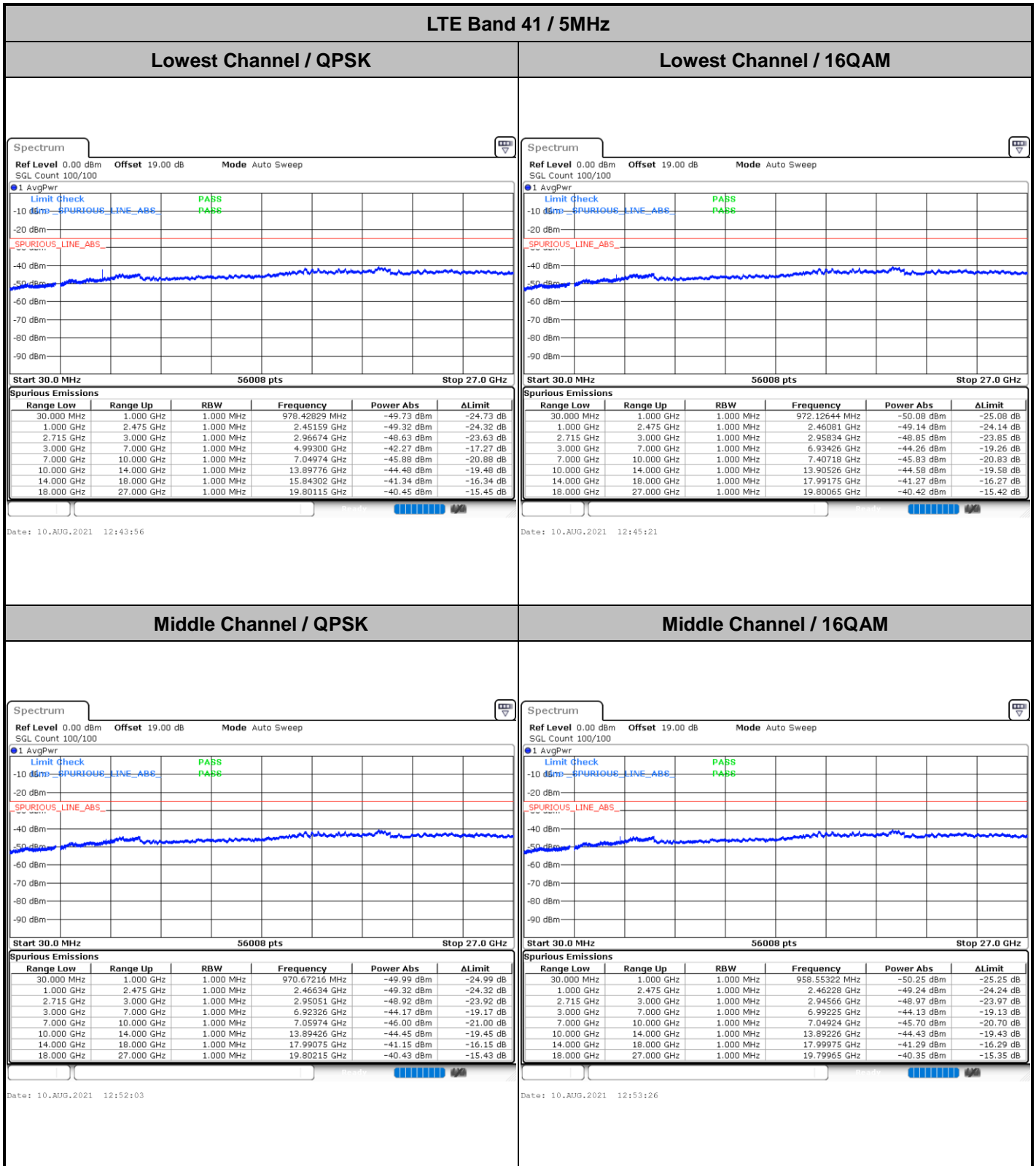
Highest Band Edge / Full RB



Date: 10.AUG.2021 16:31:59



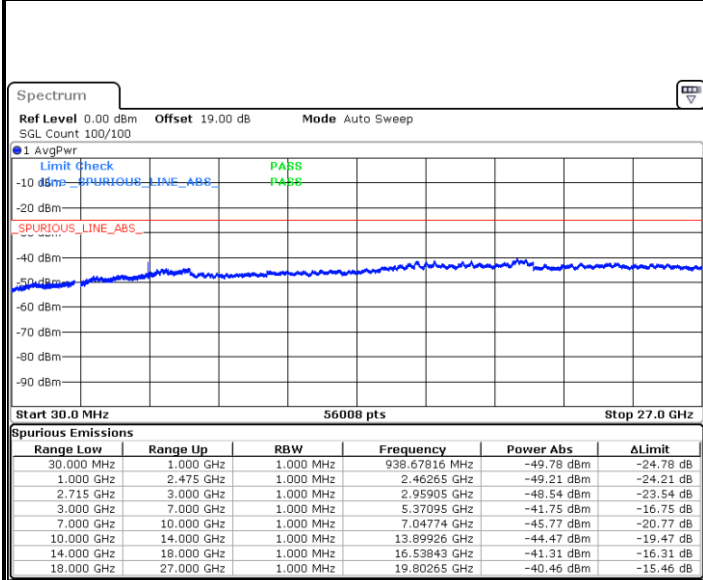
Conducted Spurious Emission





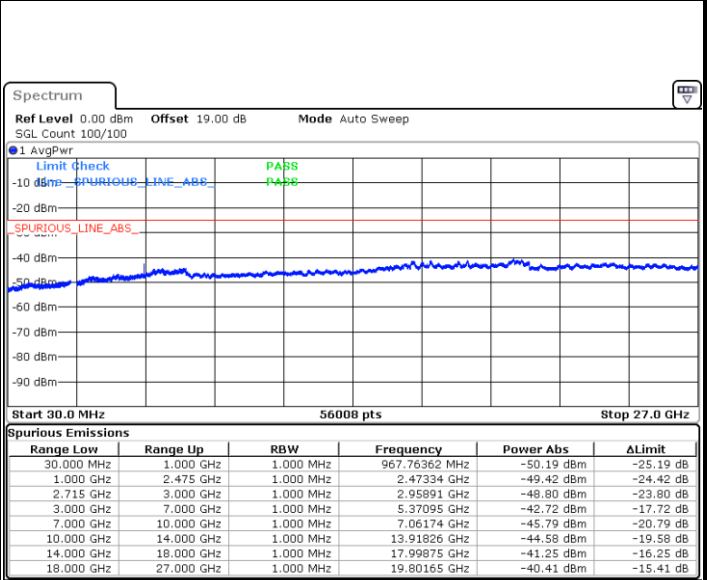
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 10.AUG.2021 14:36:45

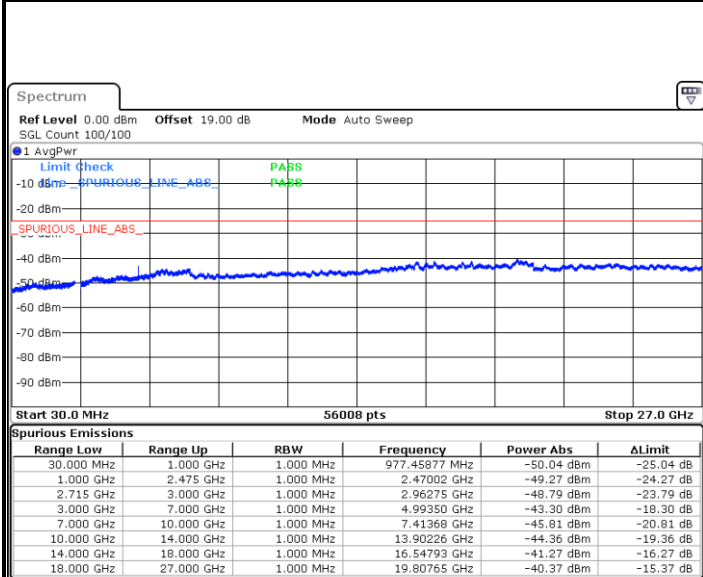
Highest Channel / 16QAM



Date: 10.AUG.2021 14:38:14

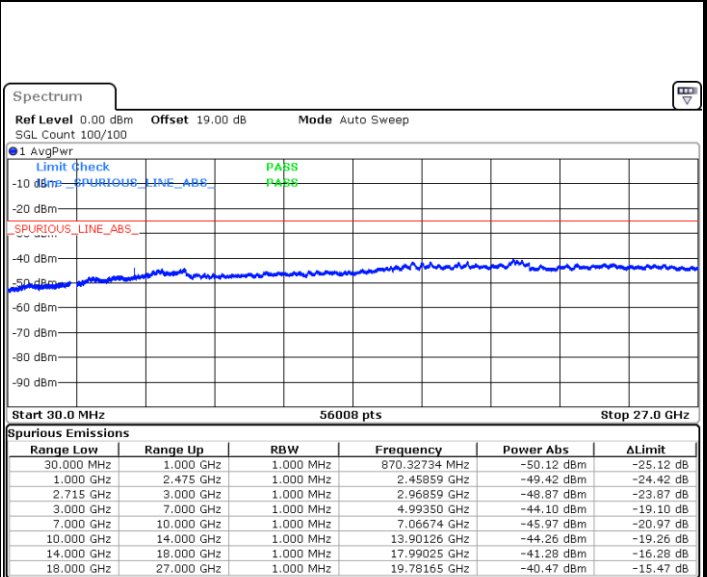
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 10.AUG.2021 14:49:33

Lowest Channel / 16QAM



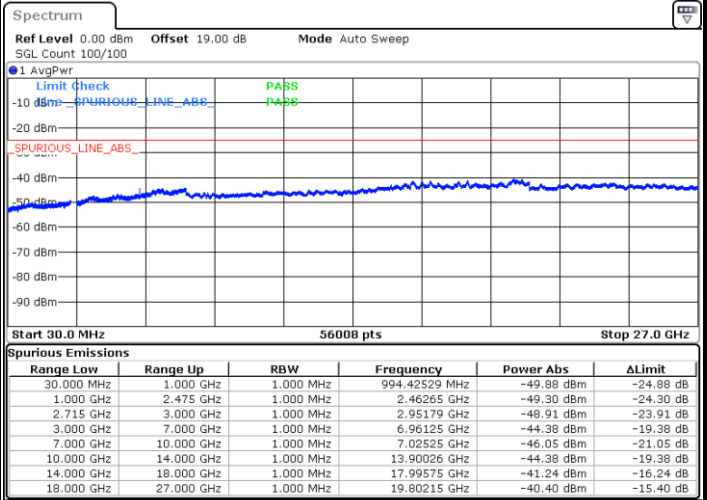
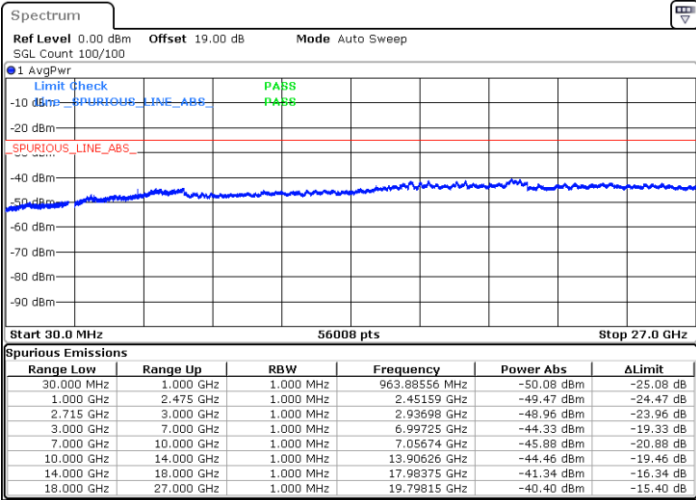
Date: 10.AUG.2021 14:52:08



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

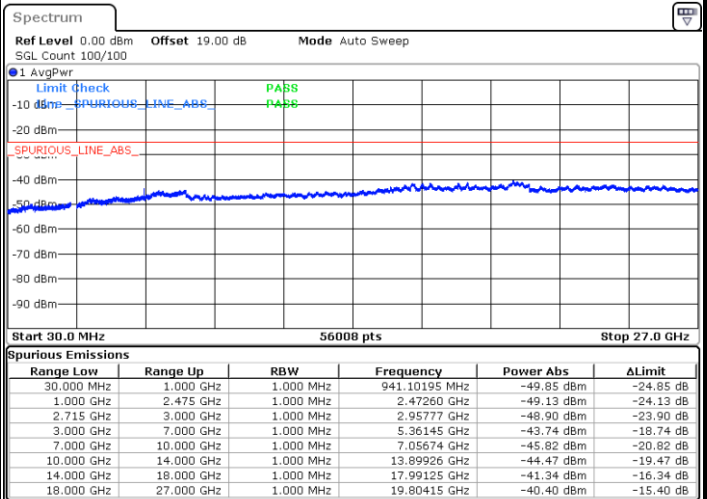
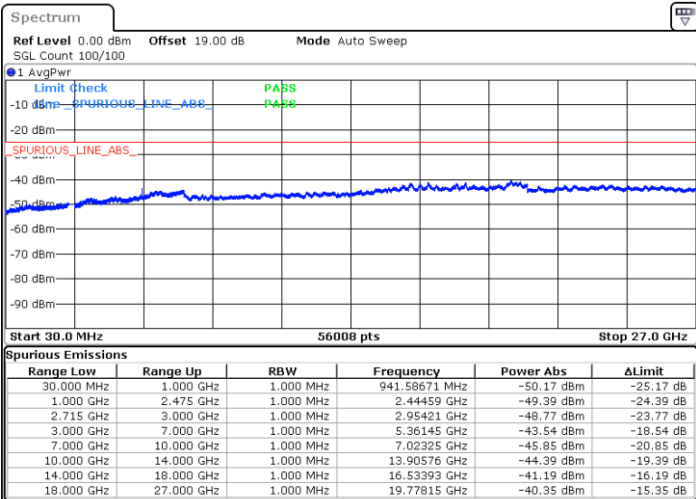


Date: 10.AUG.2021 15:00:49

Date: 10.AUG.2021 15:02:14

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.AUG.2021 15:05:22

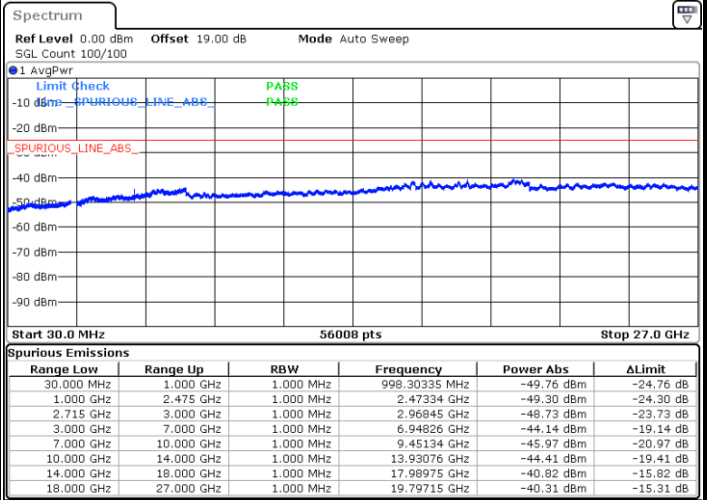
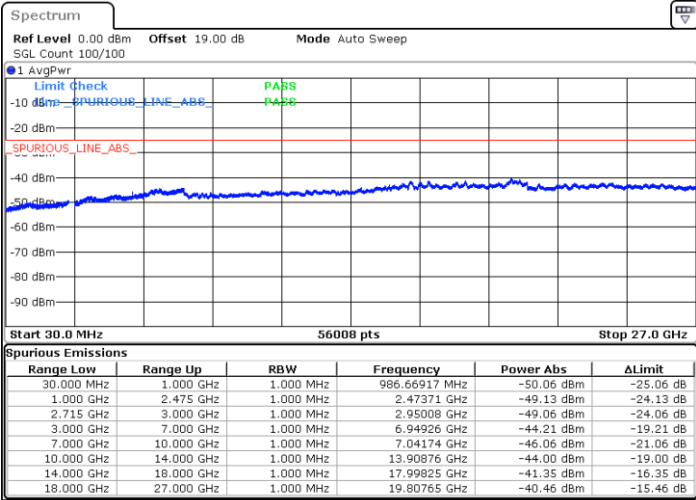
Date: 10.AUG.2021 15:06:49



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

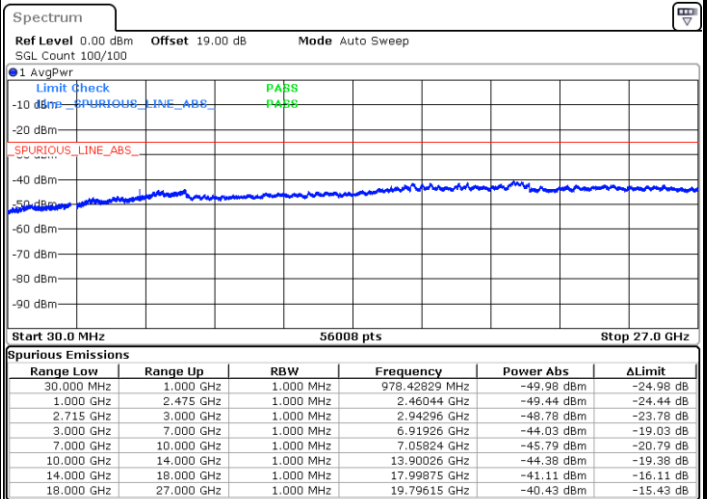
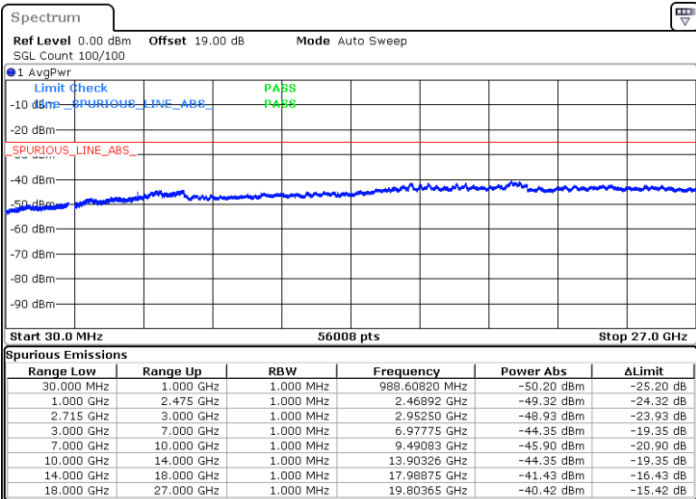


Date: 10.AUG.2021 15:16:32

Date: 10.AUG.2021 15:18:56

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 10.AUG.2021 15:42:29

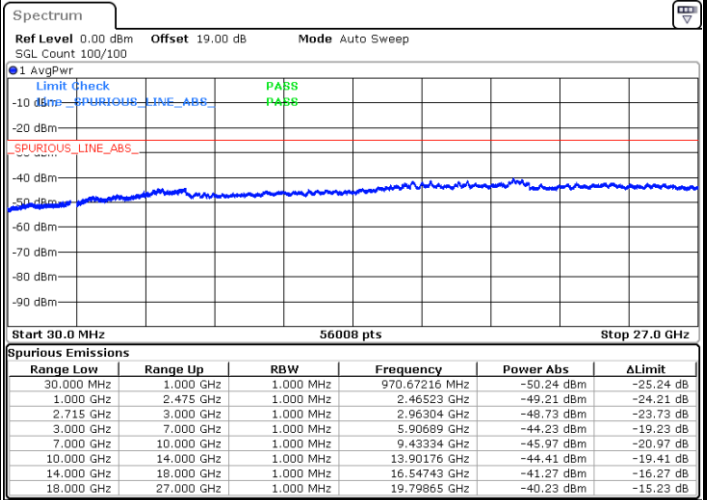
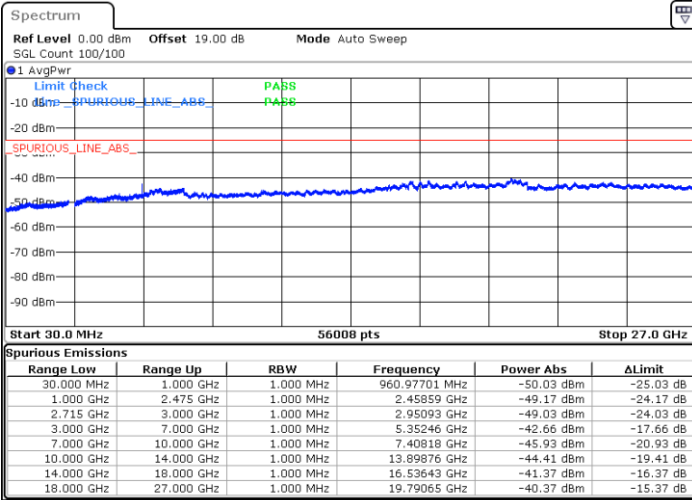
Date: 10.AUG.2021 15:45:58



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



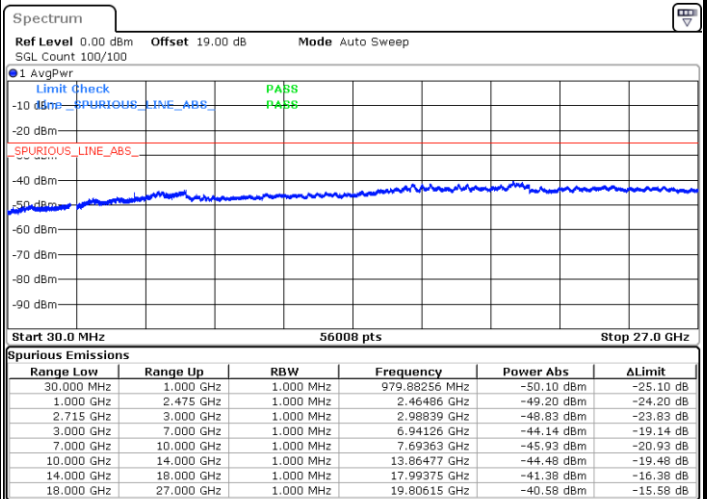
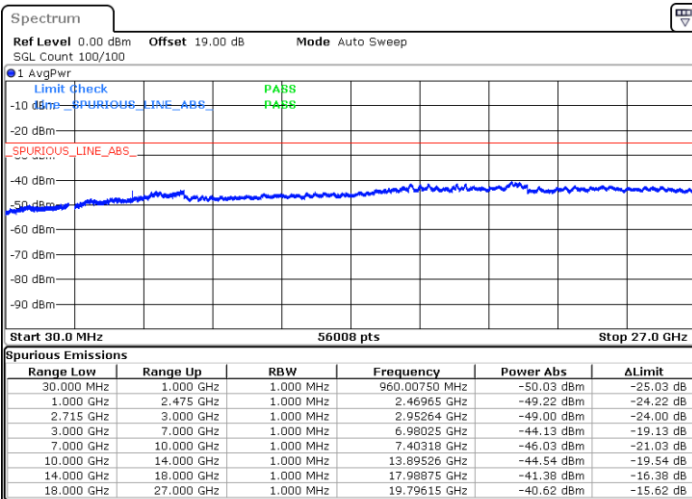
Date: 10.AUG.2021 15:50:27

Date: 10.AUG.2021 15:53:12

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 10.AUG.2021 16:09:46

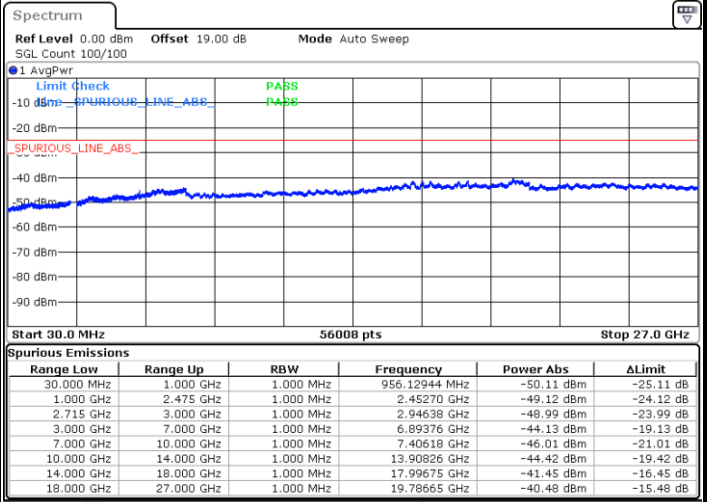
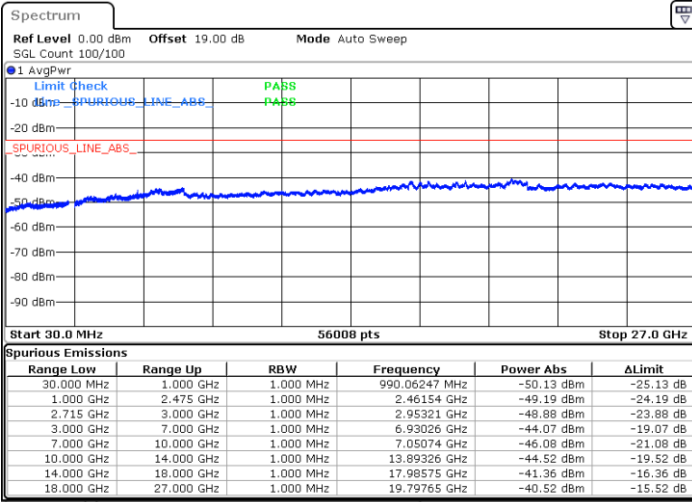
Date: 10.AUG.2021 16:11:58



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

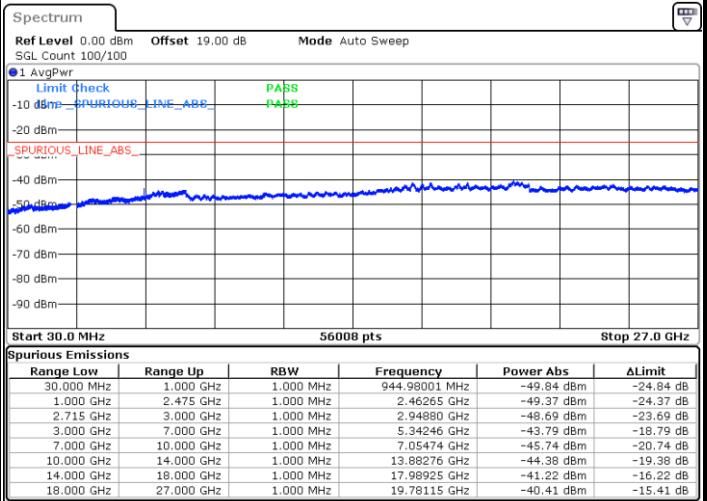
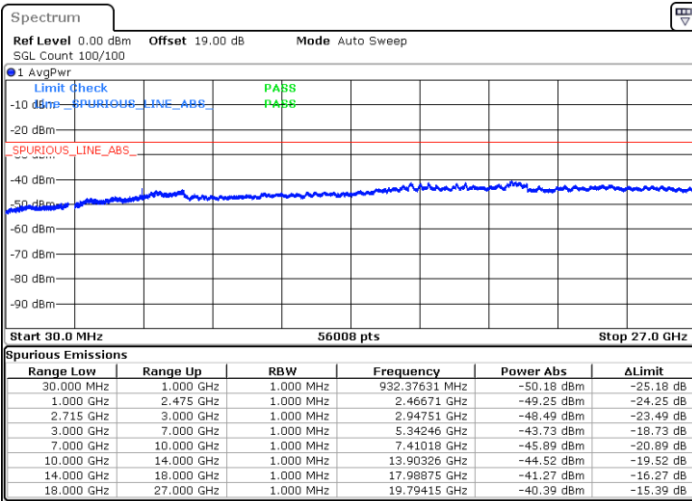


Date: 10.AUG.2021 16:19:31

Date: 10.AUG.2021 16:20:56

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.AUG.2021 16:24:21

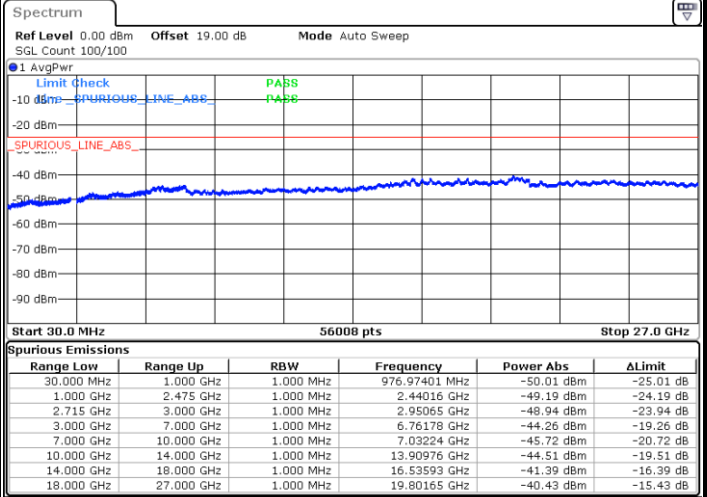
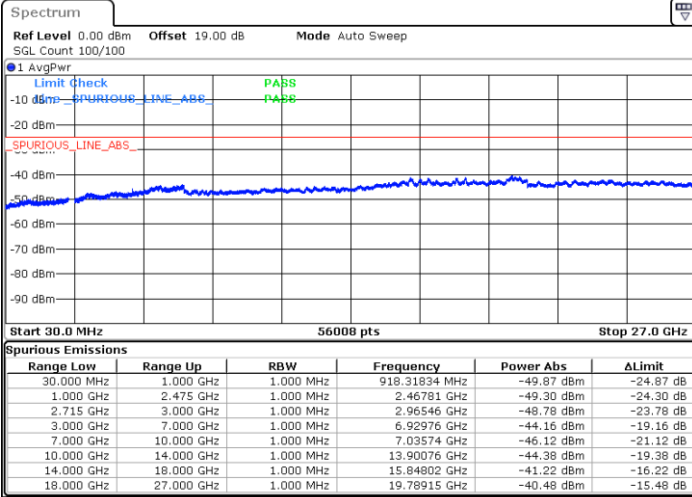
Date: 10.AUG.2021 16:25:50



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

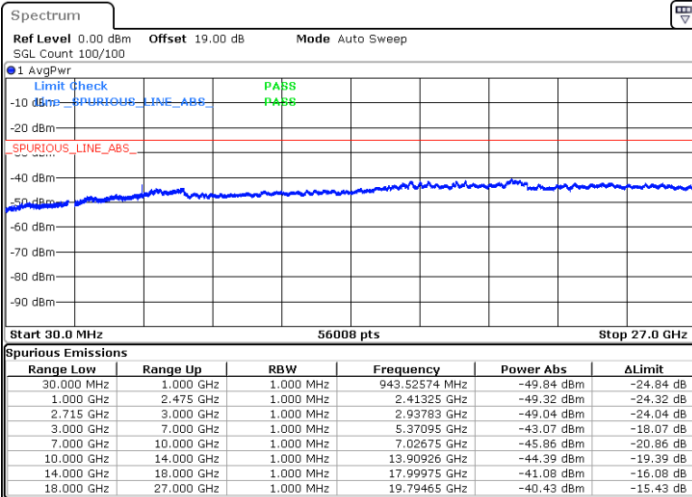
Middle Channel / 64QAM



Date: 10.AUG.2021 12:47:15

Date: 10.AUG.2021 14:35:14

Highest Channel / 64QAM



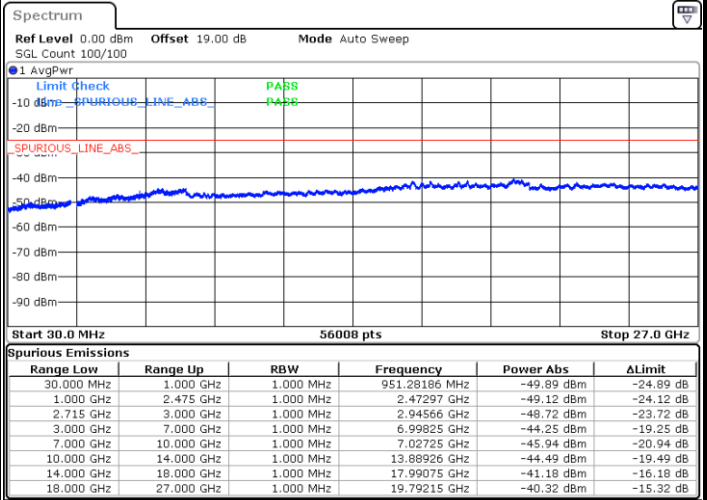
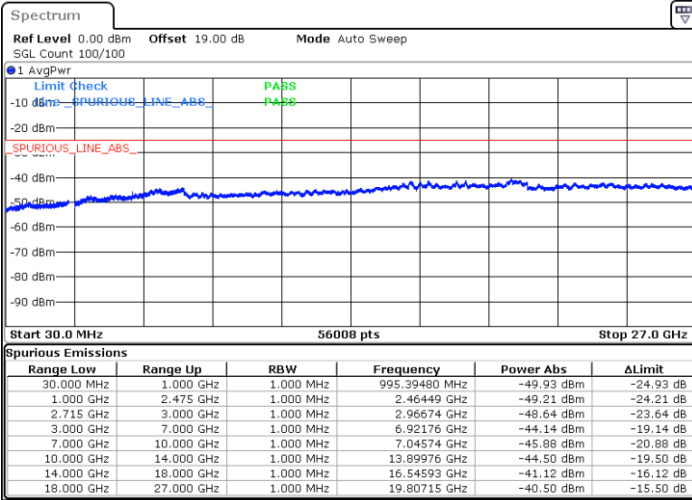
Date: 10.AUG.2021 14:39:37



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

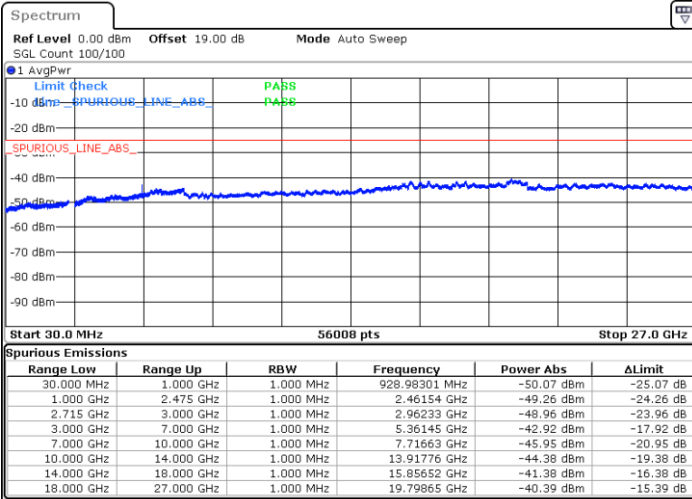
Middle Channel / 64QAM



Date: 10.AUG.2021 14:53:57

Date: 10.AUG.2021 15:03:51

Highest Channel / 64QAM



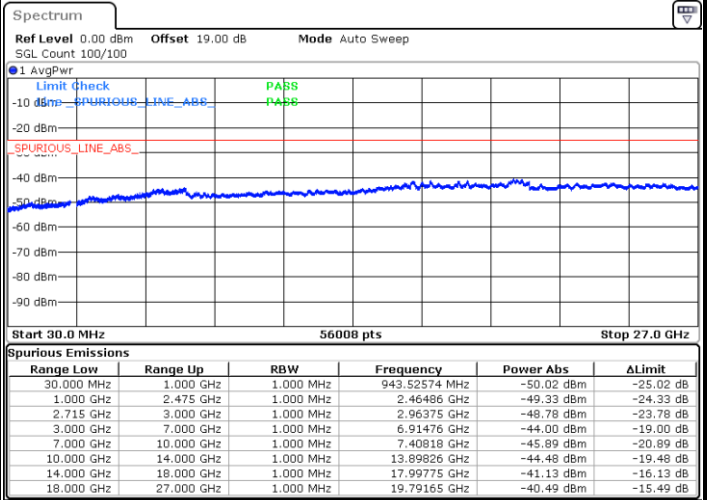
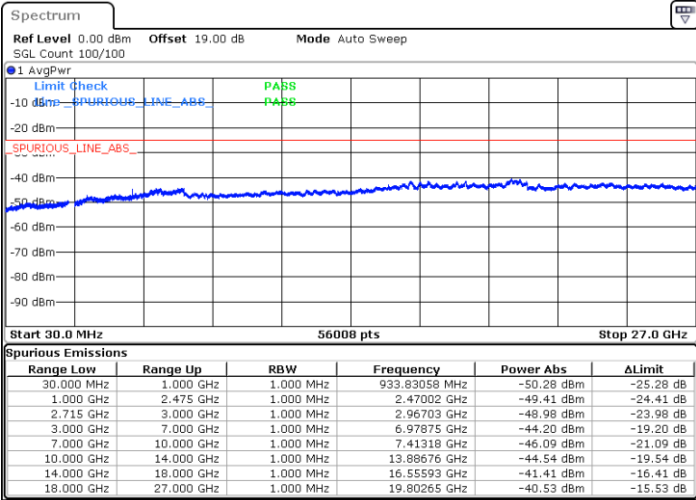
Date: 10.AUG.2021 15:08:37



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

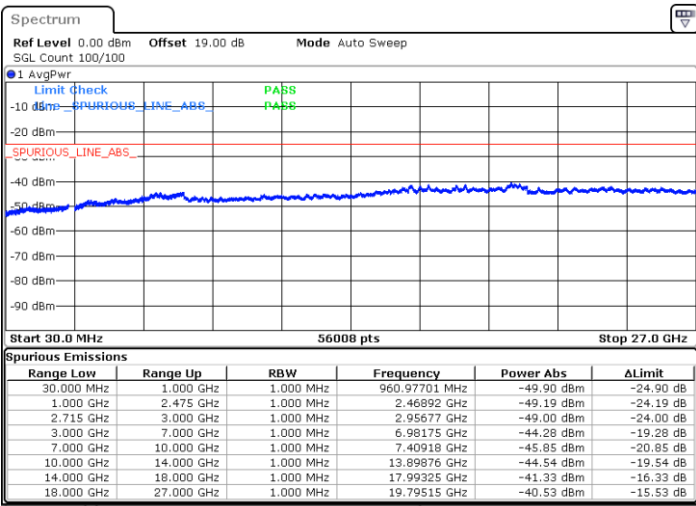
Middle Channel / 64QAM



Date: 10.AUG.2021 15:21:22

Date: 10.AUG.2021 15:48:30

Highest Channel / 64QAM



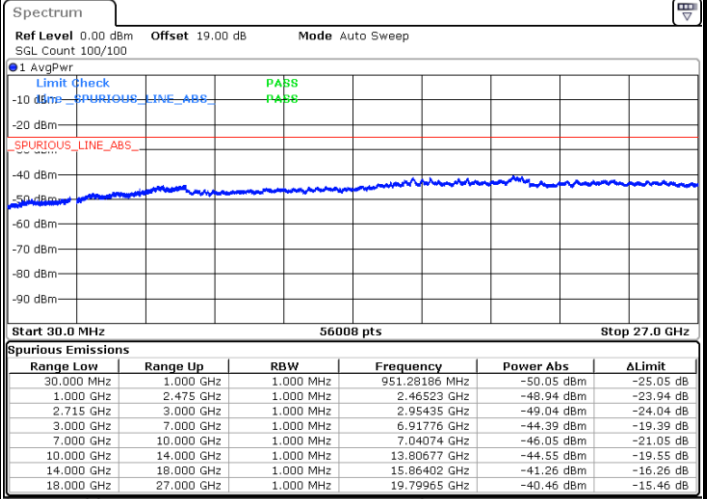
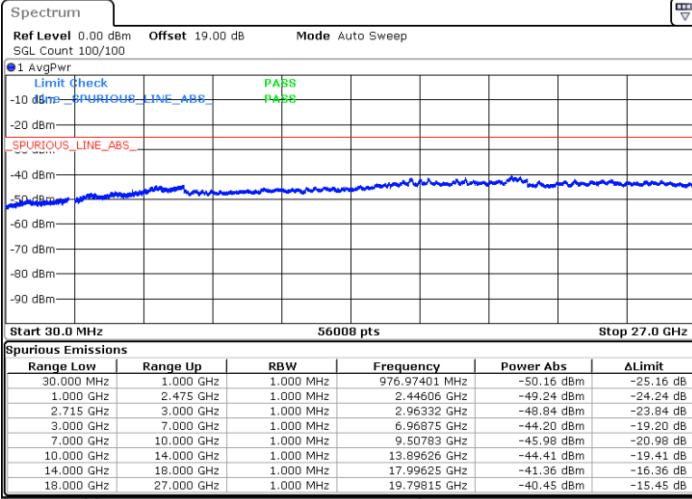
Date: 10.AUG.2021 15:54:43



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

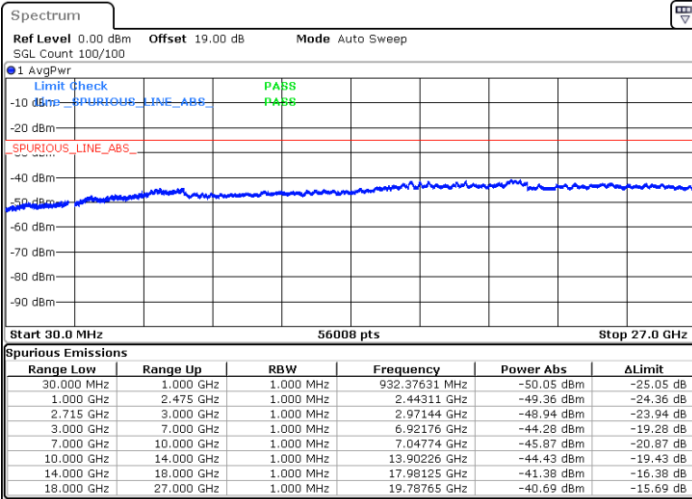
Middle Channel / 64QAM



Date: 10.AUG.2021 16:14:17

Date: 10.AUG.2021 16:22:46

Highest Channel / 64QAM



Date: 10.AUG.2021 16:27:31



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0090	
30	Normal Voltage	0.0092	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0089	
-20	Normal Voltage	0.0086	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0066	
20	Normal Voltage	0.0074	
20	Battery End Point	0.0069	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-64.83	-13	-51.83	-73.50	-68.08	4.00	9.40	H
	2496.27	-61.83	-13	-48.83	-74.68	-65.40	4.88	10.60	H
	3328.36	-56.66	-13	-43.66	-71.21	-61.59	5.52	12.60	H
	1664.18	-64.97	-13	-51.97	-73.24	-68.22	4.00	9.40	V
	2496.27	-60.78	-13	-47.78	-73.59	-64.35	4.88	10.60	V
	3328.36	-56.89	-13	-43.89	-71.20	-61.82	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1659.5	-63.43	-13	-50.43	-72.10	-66.68	4.00	9.40	H
	2489.25	-52.66	-13	-39.66	-65.49	-56.23	4.88	10.60	H
	3319	-53.27	-13	-40.27	-67.99	-58.20	5.52	12.60	H
	1659.5	-62.94	-13	-49.94	-71.21	-66.19	4.00	9.40	V
	2489.25	-52.44	-13	-39.44	-65.23	-56.01	4.88	10.60	V
	3319	-52.58	-13	-39.58	-67.08	-57.51	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 38 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5172.00	-59.15	-25	-34.15	-78.63	-64.71	7.14	12.70	H
	7758.00	-34.30	-25	-9.30	-59.18	-37.60	8.30	11.60	H
	10344.00	-50.26	-25	-25.26	-80.19	-51.78	10.48	12.00	H
	5172.00	-59.04	-25	-34.04	-78.79	-64.60	7.14	12.70	V
	7758.00	-41.90	-25	-16.90	-66.62	-45.20	8.30	11.60	V
	10344.00	-51.32	-25	-26.32	-80.38	-52.84	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.18	-58.41	-25	-33.41	-77.91	-63.97	7.14	12.70	H
	7752.27	-40.88	-25	-15.88	-65.72	-44.18	8.30	11.60	H
	10336.36	-50.36	-25	-25.36	-80.29	-51.88	10.48	12.00	H
	5168.18	-54.13	-25	-29.13	-73.9	-59.69	7.14	12.70	V
	7752.27	-36.71	-25	-11.71	-61.4	-40.01	8.30	11.60	V
	10336.36	-51.28	-25	-26.28	-80.3	-52.80	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.